

Claims

1. A process for printing an image on a substrate comprising applying thereto a composition comprising a liquid medium and a compound of Formula (1):



Formula (1)

wherein:

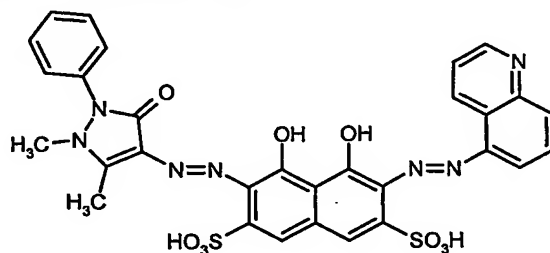
each A independently is optionally substituted aryl or heteroaryl; and

L is an optionally substituted, optionally metallised 1,8-dihydroxynaphthylene group;

provided that:

(i) at most one of the groups represented by A has a hydroxy substituent ortho to the -N=N- groups shown in Formula (1); and

(ii) the compound of Formula (1) is not:



2. A process according to claim 1 wherein at least one of the groups represented by A carries a group selected from sulfo and carboxy.

3. A composition comprising:

(a) 0.2 to 12 parts of the compound of Formula (1):



Formula (1)

wherein:

each A independently is optionally substituted aryl or heteroaryl; and

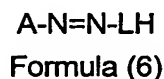
L is an optionally substituted, optionally metallised 1,8-dihydroxynaphthylene group;

provided that at most one of the groups represented by A has a hydroxy substituent ortho to the -N=N- groups shown in Formula (1); and

(b) from 88 to 99.8 parts of a liquid medium;

wherein all parts are by weight and the number of parts of (a)+(b)=100.

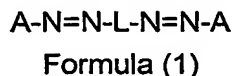
4. A process for preparing a compound of Formula (1), as defined in claim 1 or 2, which comprises diazotising an amine of formula $A-NH_2$ to give a diazonium salt, and coupling the resultant diazonium salt with a compound of Formula (6):



wherein L and each A independently are as defined in claim 1.

5. A process for the preparation of a compound of Formula (1) as defined in claim 1 or 2 which comprises the reaction of a compound of formula $A-N=N-Q-N=N-A$ with a strong base, wherein each A independently is as defined in claim 1 and Q is an optionally substituted 1-hydroxy-8-amino-naphthylene group.

6. A compound of Formula (1):



wherein:

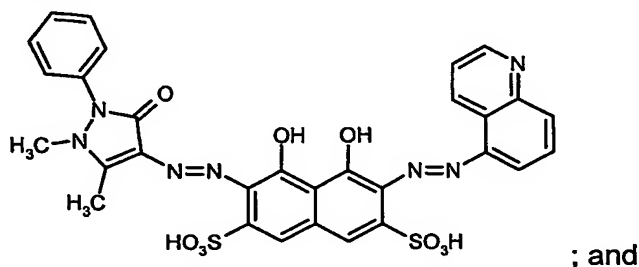
each A independently is optionally substituted aryl or heteroaryl; and

L is an optionally substituted, optionally metallised 1,8-dihydroxynaphthylene group;

provided that:

(i) at most one of the groups represented by A has a hydroxy substituent ortho to the $-N=N-$ groups shown in Formula (1);

(ii) the compound of Formula (1) is not:

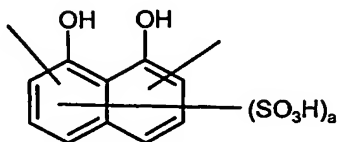


(iii) at least one of the groups represented by A carries a group selected from sulpho and carboxy.

7. A compound of Formula (1) as defined in claim 6 wherein both groups represented by A carry a group selected from sulpho and carboxy.

8. A compound of Formula (1) as defined in claim 7 wherein both groups represented by A carry a sulpho group.

9. A compound of Formula (1) as defined in any of claims 6 to 8 wherein L is of Formula (2)



Formula (2)

wherein a is 1 or 2 and SO_3H is in free acid or salt form.

10. A paper, an overhead projector slide or a textile material printed by means of a process as defined in claim 1 or 2, with a composition as defined in claim 3, or with a compound as defined in claim 6.

11. An ink jet printer cartridge, optionally refillable, comprising one or more chambers and a composition, wherein the composition is present in at least one of the chambers and the composition is as defined in claim 3.